M. A. R. 57 (Rule 116)
Measurement Book

No. B

494871

rial No. I^st & final

me of Work ..... From..... To.....

me of Contractor of nature of Agency ..... Sri P. Vijay Babu (M/s Nandi enterprises)

te of commencement of work .....

te	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	Name of work: Improvements to Roads & drains at Thindlu, Anjaneyaswamy layout, Basavanamithi, Virupakshapura & Sorrounding areas in ward No-9, (Vidyaranyapura)						
	Work order No: EE/BTP/BBMP/WO/205/2020-21 dt 04-03-2						
	Work code No: 009-20-000075.						
	Est- cost : Rs 80.00 Lakhs						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	R
		Number	Length	Breadth	Depth		Me
1	2	3	4	5	6	7	
I.No 1)	E.W.E by manual means in ordinary soil involving an average horizontal throw upto 2.00 and an average lift upto 0.50m, excavated surface levelled & sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifica						
	Qty vide E-MB — 605.75 cum						
	@- Rs 207.00/cum					Rs 1,25,39	
(2)	Removing and refixing stone slabs						

M. A. R. 57 (Rule 116)
Measurement Book

No. B

erial No. .....

ame of Work ..... From..... To..... 494872

ame of Contractor of nature of Agency .....

ate of commencement of work .....

ate	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	2	Number 3	Length 4	Breadth 5	Depth 6	7	8
	of drains and pointing in c.m(1:3)						
	Qty vide E.MB	—		1134.00 Sqm			
	@ Rs 111.00/Sqm	—				Rs	1,25,874.00
(3)	Providing granite slabs of selected quality roughly dressed having a size of 7.5cms thick and fixed in cement mortar (1:6) including fixing, curing etc complete.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	Qty vide E-MB			— 378.00 Sqm			
	@- Rs 742.00/Sqm						Rs 2,80,4
(4)	P/L P.C.C. of mix 1:3:6 with OPC cement @- 220 kgs with crushed 40mm & d/s grav metal coarse aggregates @- 0.84 cum and fine aggregates @- 0.56 cum in foundation mechanically mixed, placed in foundati and compacted by vibration including cu for 14 days complete as per specificatio						

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To..... 494873

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Qty vide E-MB - 146.34 cum						
	@- Rs 5421.00/cum					Rs 7,93,309.00	
(5)	P/c load bearing wall with solid concrete blocks of size 400 X 150 X 200 mm having block density not less than 1800 kg/m³ and having a minimum average compressive strength 4.00 N/mm² confirming to IS 2185 (part) : 2005 and constructed with c.m 1:4						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	as per IS 2572-2005 including cost of all materials, labour charges, scaffolding, curing complete as per specifications.						
	Qty vide E-MB — 1300.80 Sqm						
	@- ₹ 979.00/Sqm					₹ 12,73,48	
(6)	P/L in position P.C.C. of mix 1:2:4 with cement @- 240 kg with 20mm & d/s graded granite metal coarse aggregates @- 0.89 cu and fine aggregates @- 0.459 cum,						

M. A. R. 57 (Rule 116)
Measurement Book

No. B

494874

erial No. .....
lame of Work ..... From..... To.....
ame of Contractor of nature of Agency .....
ate of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	machine mixed, concrete laid in layers not exceeding 15cms thick well compacted, for coping including cost of all materials, labour, Hom of machinery, curing complete as per specifications.						
	Qty vide E.MB — 65.04 cum						
	@- Rs 5599.00 /cum					Rs 3,64,159.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
(7)	P/f precast covering slab made out of CC 1:2:4 with 10cms thick and finishing cutting inclu form work, curing, including cost of all materia labour, hire charges of machinery, loading, unlo lead and lift, transportation etc complete (Data rate)						
	Qty vide E-MB — 768.60 Sqm						
	@- Rs 2337.00/Sqm					Rs 17,96,	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To..... 494875

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(8)	Excavation for road work in all types of soil by mechanical means including cutting and loading of tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH specification No. 301 loading & unloading with 10 km lead.						

M. A. R. 57 (Rule 116)
Measurement Book

No. B

erial No. .....
ame of Work ..... From..... To..... 494875
ame of Contractor of nature of Agency .....
ate of commencement of work .....

ate	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
(8)	Excavation for road work in all types of soil by mechanical means including cutting and loading of tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.001km and complete as per specifications MORTH specification No. 301 loading & unloading with 10Km Lead.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	Qty vide E.MB — 215.94 cum						
	@- Rs 56.00/cum					Rs 12093.00	
9	Providing, Laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water @ OMC in mechanical mix plant carriage of mixed method of tipper to site, Laying in						

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....
Name of Work ..... From..... To..... 494876
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	uniform layer with paver in sub-base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.						
	Qty vide E-MB	—	254.06 cum				
	@- Rs	2001.00 /cum				Rs	5,08,374.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Re Mea
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
10	P/A primer coat with S.S. Bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer @ the rate of 0.60kg / Sqm using mechanical means complete as per specifi						
	Qty vide E-MB — 1016.25 Sqm						
	@ Rs 29.00/sqm					Rs 29,471.00	
11	Providing & laying dense graded bituminous						

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....
Name of Work ..... From..... To..... 494877
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications clause 505 of MORT&H V						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	revision wing 40/60 TPH capacity H.M.P. with mechanical paver Gr-II (50mm to 75mm) with H.S./. VG-30 bitumen.						
	Qty vide E-MB — 50.81 cum						
	@ Rs 7000.00/cum						Rs 3,55,6
12)	clearing the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries						

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To..... 494878

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	complete as per specification						
	Qty vide E-MB - 4065.00 Sqm						
	@ Rs 6.00/Sqm Rs 24,390.00						
(13)	Providing and applying tack coat- 80/100 grade bitumen (VG 10) on the prepared black topped surface @- 2.5kg per 10 Sqm, heating bitumen in boiler fitted						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	with spray set (excluding cleaning of road surface) including cost of all materials, labour, hire of machineries complete as per specifications						
	Qty vide E-MB - 4065.00 Sqm						
	@ Rs 25.50 / Sqm					Rs 1,03,658.00	
(14)	P/L bituminous concrete using crushed aggregate of specified grading premixed with bituminous binder and filler, transporting the hot mix						

M. A. R. 57 (Rule 116)
Measurement Book

No. B

rial No. .....
me of Work ..... From..... To..... 494873
me of Contractor of nature of Agency .....
e of commencement of work .....

te	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	to work site, Laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled vibratory and tandem roller, to achive the desired compaction in all respects complete as per specification, clause 507 of MORTH V revision using 40/60 TPH capacity H.M.P. with mechanical paver Gr-II (30mm to 45mm) with S.4./. VG-30 Bitumen						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	Qty vide E-MB — 162.60 cum						
	@ Rs 9000.00/cum					Rs 14,63,400.00	
15	Road marking with hot applied thermoplastic with reflecting glass beads on bituminous surface/concrete surface; P/L of hot applied thermoplastic compound 2.5mm thick including reflecting glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks &						

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

494880

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	holes complete as per specifications						
	Qty vide E.MB -				162.60 Sqm		
	@ Rs 454.00/Sqm					Rs	73,820.00
16	P/F precast solid cement concrete kerb stones made out of CC 1:2:4 with top & bottom ~~width~~ width 114 and 165 mm respectively, 400mm high and 450mm in length, finished with C.M 1:3 plastering & finishing						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	cutting including formwork, curing, including cost of materials, labour charges of machinery loading & unloading, lead & lift, transport etc complete.						
	Qty vide E.MB - 222.00 Nos						
	@ Rs 432.00 per Nos					Rs 95,904.00	
(17)	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete						

M. A. R. 57 (Rule 116)
Measurement Book

No. B

494881

al No. .....

ne of Work ..... From..... To.....

ne of Contractor of nature of Agency .....

e of commencement of work .....

e	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	surfaces, with materials, labour complete as per specifications						
	Qty vide E.MB -			35.00 Sqm			
	@- Rs 84.00/Sqm					Rs 2940.00	
					Sub total	Rs 74,28,629.00	
					GST @- 12%	Rs 8,91,435.00	
					Grand total	Rs 83,20,064.00	

AO

Executive Engineer

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Ref. to Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	

certificate: 1) contractor has cleared all the debris from work spot.

2) work has done satisfactorily.

3) No materials issued from departmentally.

AE

18/4/2022.

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

M. A. R. 57 (Rule 116)
Measurement Book

No. B

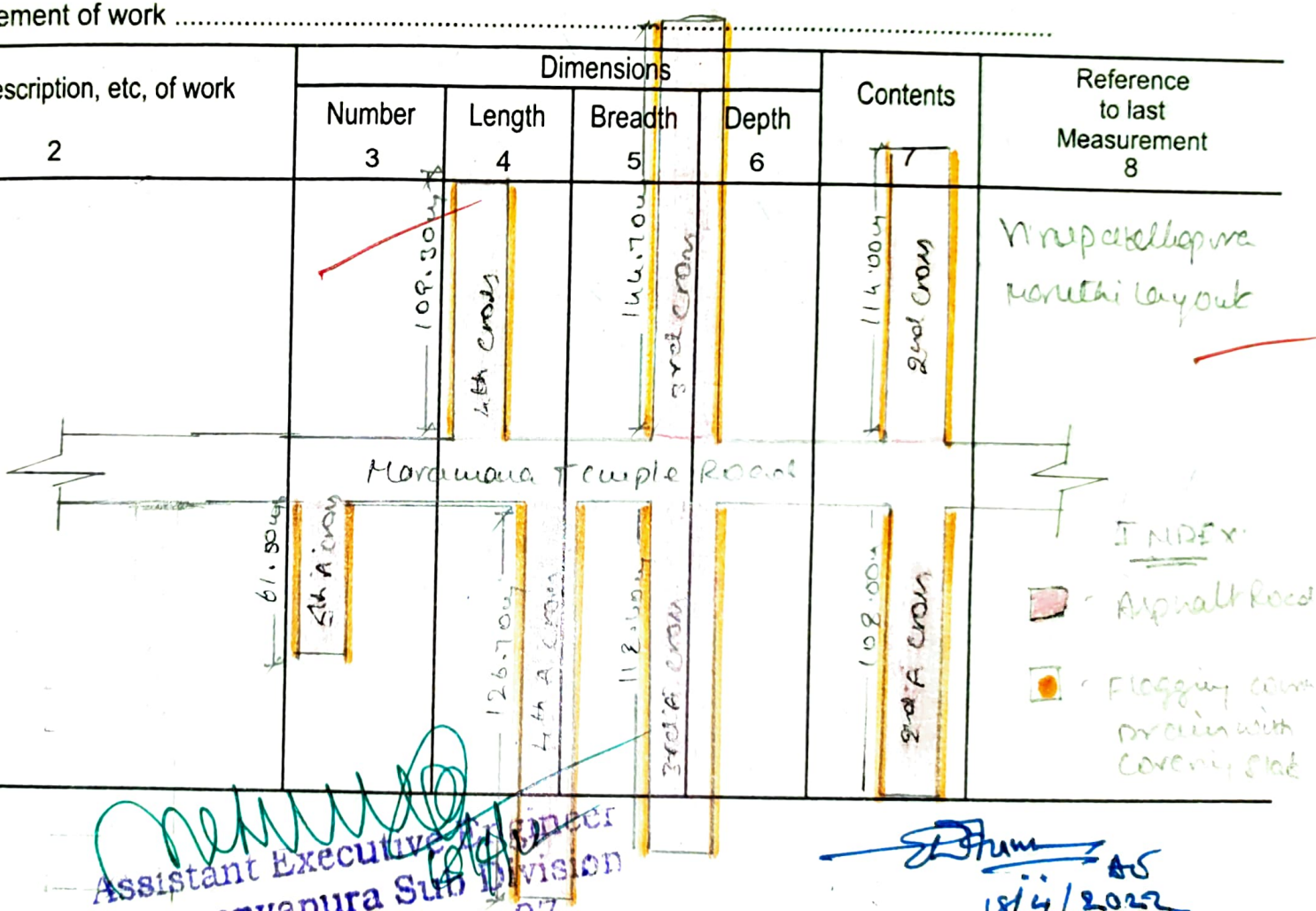
No. .....

of Work ..... From..... To..... 494882

of Contractor of nature of Agency .....

commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8



Assistant Executive Engineer
Sub Division

18/4/2022

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	2nd & Final bill					BP - 83,20,000=00	
						IT - 83200=00	
						L.C - 83200=00	
						CBT - 8320=00	
						Cess - 4286=00	
						S&Hcess - 4286=00	
						LR - 128500=00	
						3200=00	
						Fine -	
						TD - 4499492=00	
						Contract: 78,70008=00	

ಲೆಕ್ಕಶೀರ್ಷಿಕೆ P-0541 ರಡಿ
ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ. 83,20,000=00 ಗಳನ್ನು ಹಾಕಿ ಮಾಡಿದೆ
ಇದರಲ್ಲಿ ರೂ. 4499492=00 ಗಳನ್ನು ಹೊಂದಾಣಿಕೆ
ಮಾಡಿಕೊಂಡು ರೂ. 78,70008=00 ಗಳನ್ನು

FT/NEFT/RTGS ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ

ನಿರ್ವಾಹಕರು
ಬ್ಯಾಂಕರಾಯನಪುರ ವಿಭಾಗ
ಬೃಬೆಮಪಾ, ಬೆಂಗಳೂರು

ಲೆಕ್ಕಾಧಿಕಾರಿಗಳ ಸಹಿ
ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಂಕರಾಯನಪುರ ವಿಭಾಗ
ಬೃಬೆಮಪಾ, ಬೆಂಗಳೂರು

T. Chandra Shekhar